

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number
WO 2005/025204 A1

(51) International Patent Classification⁷: **H04N 1/21**

[GB/ES]; Calle Rosellon 157-159, Atico 1a, E-08036 Barcelona (ES).

(21) International Application Number:
PCT/EP2004/051940

(74) Agent: **LEADBETTER, Benedict**; Hewlett-Packard Española, S.L., Legal Dept., Avda Graells, 501, E-08174 Sant Cugat del Valles (ES).

(22) International Filing Date: 27 August 2004 (27.08.2004)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
0321171.1 10 September 2003 (10.09.2003) GB

(71) Applicant (for all designated States except US):
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. [US/US]; Legal dept., 20555 S.H. 249, Houston, Texas 77070 (US).

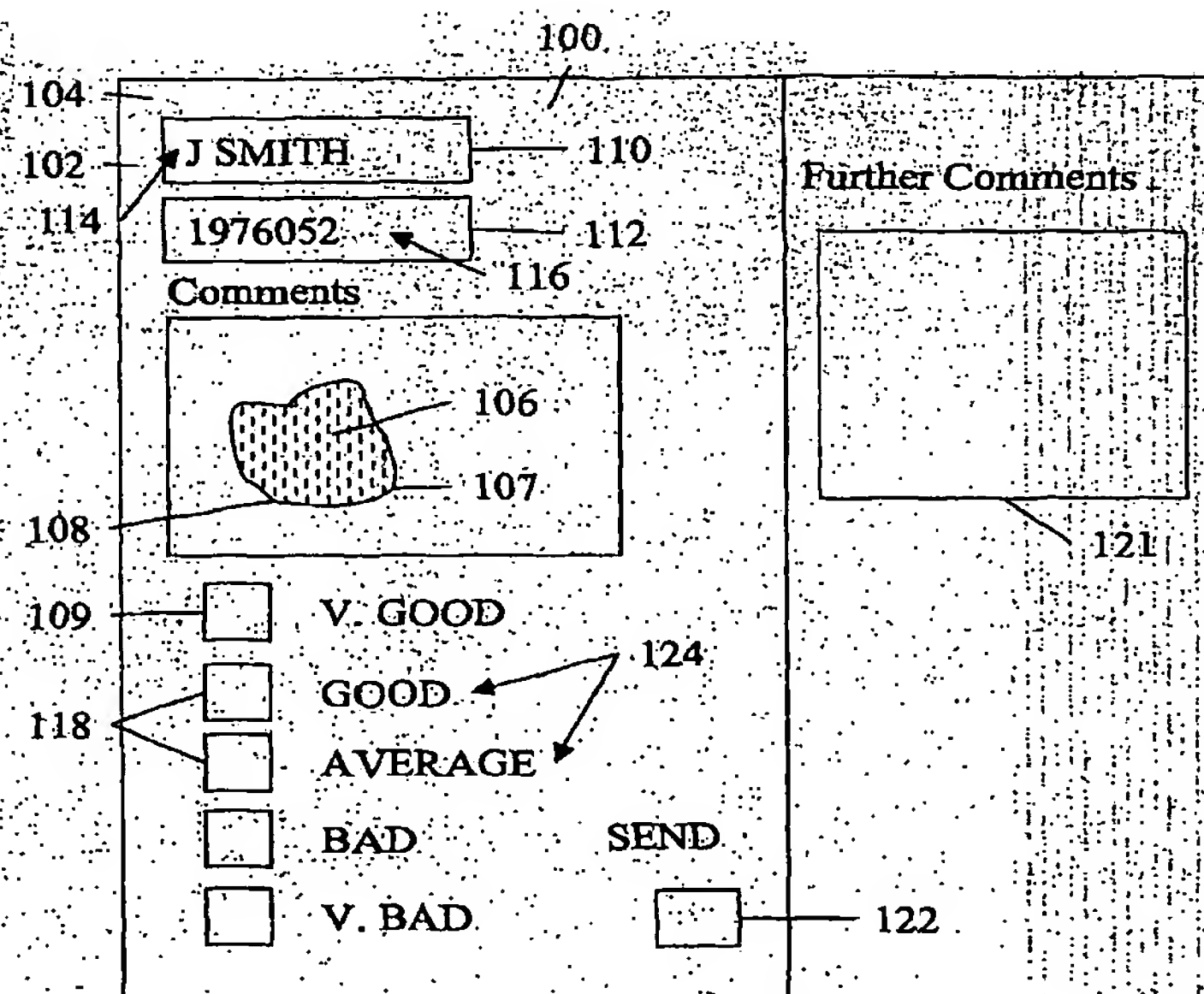
(72) Inventors; and

(75) Inventors/Applicants (for US only): **ALBARRAN, Miguel, Angel** [ES/ES]; Paseo Fabra i Puig 301-303 Stico 1, E-08031 Barcelona (ES). **MACKENZIE, Andrew**

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: A DATA STRUCTURE FOR AN ELECTRONIC DOCUMENT AND RELATED METHODS



(57) Abstract: A data structure which defines an electronic document comprises first and second substantially separate portions of data. The first portion of data defining the content of the document and the second portion comprising data relating to a pattern of position identification markings (106) such that when the electronic document is printed a pattern reading device, such as a pen (300), is able to determine its position relative to the position identification markings.

WO 2005/025204 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*